



9-20-04

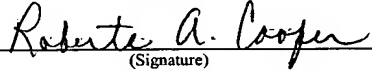
IFW

Application Serial No. 10/617,535

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ingo Koch

Title: METHOD FOR
DETERMINING THE
AMOUNT OF CHARGE
WHICH CAN BE DRAWN
FROM A STORAGE
BATTERY AND
MONITORING DEVICE

CERTIFICATE OF EXPRESS MAILING	
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Roberta A. Cooper	
(Printed Name)	
	
(Signature)	

Appl. No.: 10/617,535

Filing Date: 07/11/2003

Examiner: To be determined

Art Unit: 2858

Atty. Dkt. No.: 054821-0862

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document, except as noted below, is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The USPTO has waived the requirement under 37 CFR 1.98(a)(2)(i) to submit copies of U.S. patents and U.S. patent application publications when citing and submitting an Information Disclosure Statements in a patent application filed after June 30, 2003 and in an international application that has entered the national stage under 37 USC §371 after June 30, 2003. Accordingly, copies of these types of documents are not being supplied in connection

with this application. Reference is being made to OG Notice dated August 5, 2003, *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003.*

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

The relevance of the foreign-language documents is described in an English-language abstract for several of the documents provided herewith except for DE 69900638; DE 69423918; DE 69131276; DE 19543874; DE 68924169; DE 4339568; DE 4007883; and DE 2242410. An English translation of the foreign-language documents is not readily available. However, the absence of such translation does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609).

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 06-1447. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 06-1447.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

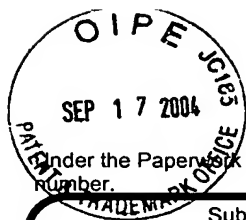
Date 9/17/2004

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By



Marcus W. Sprow
Attorney for Applicant
Registration No. 48,580



MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: September 17, 2004

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Sheet 1 of 6

Complete if Known

Application Number	10/617,535
Filing Date	7/11/2003
First Named Inventor	Ingo Koch
Group Art Unit	2858
Examiner Name	To be determined
Attorney Docket Number	054821-0862

n.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	2004/0021468	A1	Dougherty et al.	02-05-2004	
	A2	2003/0236656	A1	Dougherty	12-25-2003	
	A3	6,653,818	B2	Laig-Horstebroek et al.	11-25-2003	
	A4	6,608,482	B2	Sakai et al.	08-19-2003	
	A5	2003/0142228	A1	Flach et al.	07-31-2003	
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	A9	6,556,019	B2	Bertness	04-29-2003	
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	A16	6,495,990	B2	Champlin	12-17-2002	
	A17	6,472,875	B1	Meyer	10-29-2002	
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	A21	6,424,157	B1	Gollomp et al.	07-23-2002	
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	A27	6,388,421	B2	Abe	05-14-2002	
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Sheet 2 of 6

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Application Number	10/617,535
Filing Date	7/11/2003
First Named Inventor	Ingo Koch
Group Art Unit	2858
Examiner Name	To be determined
Attorney Docket Number	054821-0862

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				Application Number	10/617,535
				Filing Date	7/11/2003
				First Named Inventor	Ingo Koch
				Group Art Unit	2858
				Examiner Name	To be determined
Sheet	3	of	6	Attorney Docket Number	054821-0862

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	U.S. Patent Document				
	A87	5,032,825		Kuznicki	07-16-1991
	A88	5,002,840		Klebenow et al.	03-26-1991
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A105	WO	03/001224	A1	Johnson Controls Technology	01-03-2003		
	A106	DE	699 00 638	T2	Alvarez	08-22-2002		
	A107	DE	100 21 161	A1	Kaiser	10-31-2001		
	A108	DE	93 21 638	U1	Champlin	08-30-2001		
	A109	EP	1 120 641	A2	Illinois Tool Works, Inc.	08-01-2001		
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	A111	DE	199 52 693	A1	Akkumulatorenfabrik Moll GmbH & Co.	05-23-2001		
	A112	DE	199 60 761	C1	Schöner et al.	05-23-2001		
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	A116	DE	691 31 276	T2	Champlin	12-30-1999		
	A117	WO	99 66340		Korea Kumho Petrochemical Co., Ltd.	12-23-1999		
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	A119	WO	97/15839		Globe-Union, Inc.	05-01-1997		
	A120	DE	195 43 874		Yazaki Corp.	05-30-1996		
	A121	DE	195 40 827	A1	Mercedes-Benz Aktiengesellschaft	05-23-1996		

Examiner Signature	Date Considered
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Sheet

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6

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A122	DE	689 24 169	T2	Alliedsignal, Inc.	03-21-1996		
	A123	DE	43 39 568		Robert Bosch GmbH	05-24-1995		
	A124	DE	44 14 134	A1	Dial Engineering AG	11-10-1994		
	A125	DE	38 82 374	T2	Ford-Werke AG	10-28-1993		
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	A130	DE	33 34 128	A1	Licentia Patent-Verwaltungs-GmbH	04-04-1985		
	A131	DE	25 11 426	A1	Illinois Tool Works, Inc.	09-25-1975		
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A134	Intelec '88 - Tenth International communications Energy Conference, "A look at the Impedance of a Cell - S.L. DeBardelaben, New York Telephone Company," bearing a designation "October 30-November 2, 1988." (6 sheets)	
	A135	Battery Alert, Ltd., "The Easy-to-Install Battery Deterioration Warning Device", 12 Volt Model (BA101) Advertisement (2 sheets)	
	A136	Journal of Applied Electrochemistry, Volume 10 Number 1, January 1980 - The Impedance of Electrical Storage Cells - N.A. Hampson, S.A.G.R. Karunathilaka, Department of Chemistry, R. Leek, Department of Electronic and Electrical Engineering, University of Technology, Loughborough, Leicestershire, UK (11 sheets).	
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	A140	Reed Relay Technical & Applications Information, COTO Technology, 55 Dupont Drive, Providence, RI, pgs. http://www.cotorelay.com/ReedTech.pdf , available at least by 01/06/03, 37-43.	

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	A141	Willibert Schleuter, <u>Das elektrische Ersatzschaltbild des Bleiakкумуляtors unter Berücksichtigung erzwungener Elektrolytströmung</u> , etz Archiv, Vol.4 (1982), Issue 7, pages 213 -218			
	A142	Lürkens et al., <u>Ladezustandsschätzunnt von Bleibatterien mit Hilfe des Kalman-Filters</u> , etz Archiv, Vol. 8 (1986), Issue 7, pages 231 -236			
	A143	BROOKE, L., "Resin Keeps Batteries Cool", A1 Inside Magazine, November, 1998, pg. 55			
	A144	HOOVER, J., "Failure Modes of Batteries Removed from Service", A Presentation at the 107 th Convention of Battery Council International, April 30-May 3, 1995, Page 62			
	A145	STAN GIBILISCO and NEIL SCLATER, Co-Editors-in-Chief, "Rectifier Bridge," Encyclopedia of Electronics, 2 nd Edition, TAB Professional and Reference Books, 1996, pgs. 708-711.			
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	A147	ROBBINS, TIM & HAWKINS, JOHN, "Battery Model For Over-Current Protection Simulation of DC Distribution Systems," Telecommunications Energy Conference, 1994, Intelec '94, 16 th International Vancouver, BC, Canada October 30-November 3, 1994, New York, NY, IEEE, pages 307-314 XP001036407 ISBN: 0-7803-2034-4.			
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Sheet	6	of	6

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A151	International Search Report for PCT/US02/19760 (international filing date 06/21/2002), date of mailing 10/10/2002.	
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	A153	Bosch and the New E-Class, Electronic Battery Management System, Focus on Electronics, November 2002 (1 sheet)	
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